

Title (en)

BALL LOCK APPARATUS FOR SMALL DIAMETER TOOLHOLDERS.

Title (de)

KUGELSPANNGERÄT FÜR WERKZEUGHALTER MIT KLEINEM DURCHMESSER.

Title (fr)

DISPOSITIF DE VERROUILLAGE A BILLES POUR PORTE-OUTILS DE PETIT DIAMETRE.

Publication

EP 0608284 A4 19941019 (EN)

Application

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Priority

- US 9207886 W 19920917
- US 77788591 A 19911015

Abstract (en)

[origin: WO9307982A1] A cutting toolholder assembly for holding a cutting tool (26) used in a material removal operation. The assembly comprises a locking component which contains a bore (32) with at least one recess (34) therein. The assembly also includes a tool holding component (24) with a shank (48) whereby the bore receives the shank. The shank contains a compartment (50) with a locking assembly within the compartment. The locking assembly includes at least one locking member (56) and a positioner assembly (58) that selectively positions the locking member into engagement with its corresponding recess. The recess corresponds to the shape of the locking member such that when the locking member engages the recess, the recess restrains the locking member so that there is essentially no movement between the holder component and the locking component during a material removal operation.

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 9307982A1

Designated contracting state (EPC)

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WO 9307982 A1 19930429; AU 2681792 A 19930521; AU 655848 B2 19950112; CA 2119258 A1 19930429; CA 2119258 C 20001205; DE 608284 T1 19950316; DE 69227697 D1 19990107; DE 69227697 T2 19990610; EP 0608284 A1 19940803; EP 0608284 A4 19941019; EP 0608284 B1 19981125; KR 0121791 B1 19971112; RU 2106229 C1 19980310; US 5209146 A 19930511

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